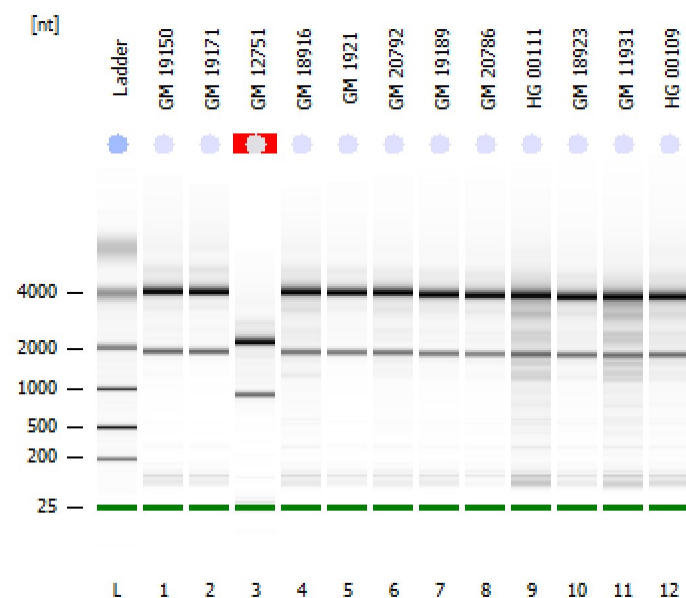


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-21_14-31-31.xad

Created: 10/21/2011 2:31:31 PM
Modified: 10/21/2011 2:55:26 PM

Electrophoresis File Run Summary**Instrument Information:**

Instrument Name: DE04105537
Serial#: DE04105537

Firmware: C.01.069
Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

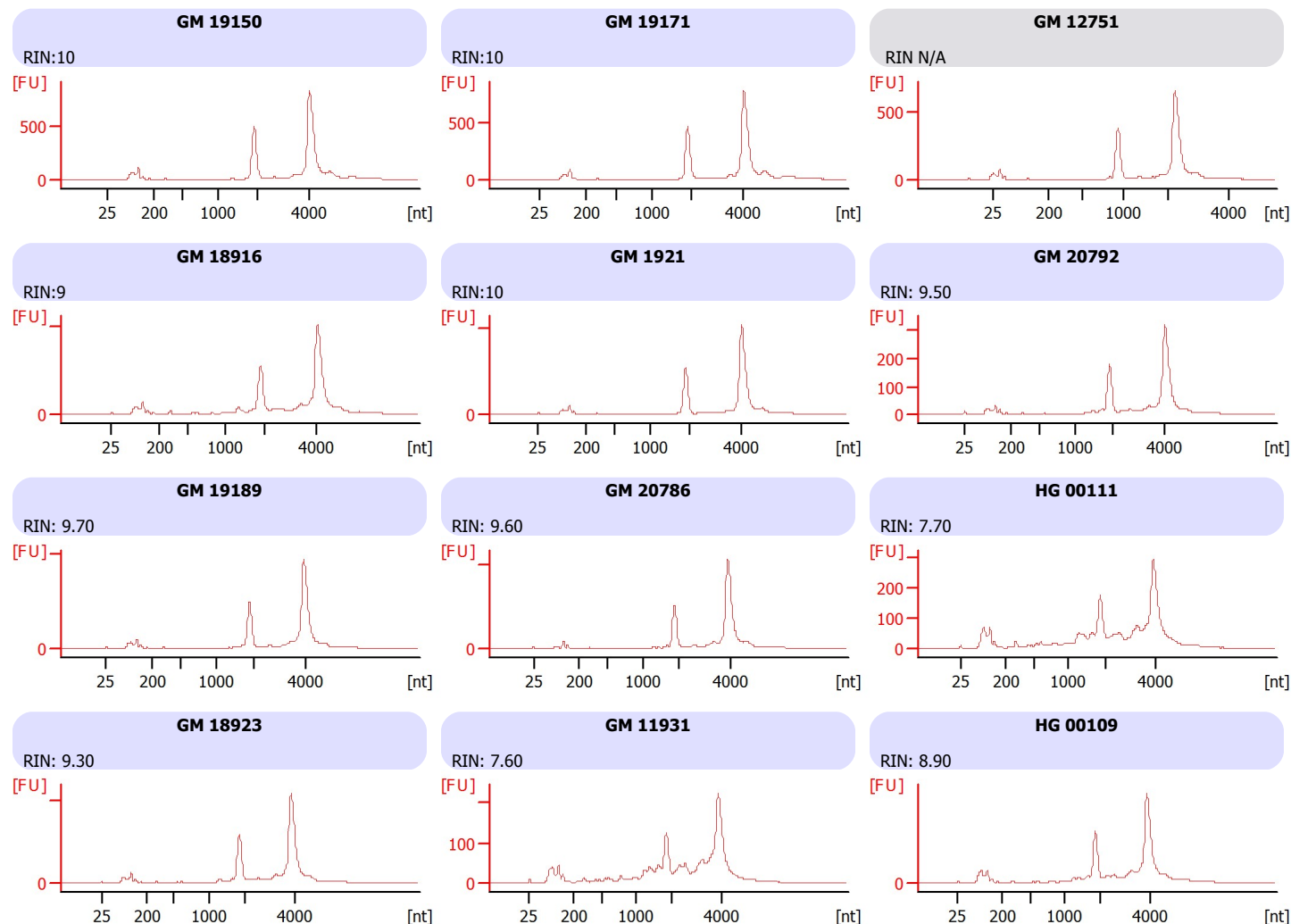
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-21_14-31-31.xad

Created: 10/21/2011 2:31:31 PM
Modified: 10/21/2011 2:55:26 PM

Electrophoresis File Run Summary (Chip Summary)

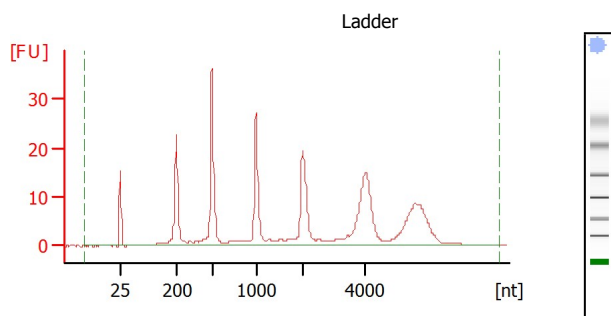
Sample Name	Sample Comment	Status	Result Label	Result Color
GM 19150		✓	RIN:10	
GM 19171		✓	RIN:10	
GM 12751		✓	RIN N/A	
GM 18916		✓	RIN:9	
GM 1921		✓	RIN:10	
GM 20792		✓	RIN: 9.50	
GM 19189		✓	RIN: 9.70	
GM 20786		✓	RIN: 9.60	
HG 00111		✓	RIN: 7.70	
GM 18923		✓	RIN: 9.30	
GM 11931		✓	RIN: 7.60	
HG 00109		✓	RIN: 8.90	
Ladder		✓	All Other Samples	

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-21_14-31-31.xad

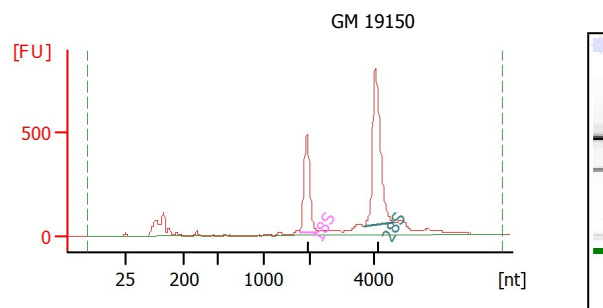
Created: 10/21/2011 2:31:31 PM
Modified: 10/21/2011 2:55:26 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 288.0
RNA Concentration: 150 ng/μl
Result Flagging Color:
Result Flagging Label: All Other Samples

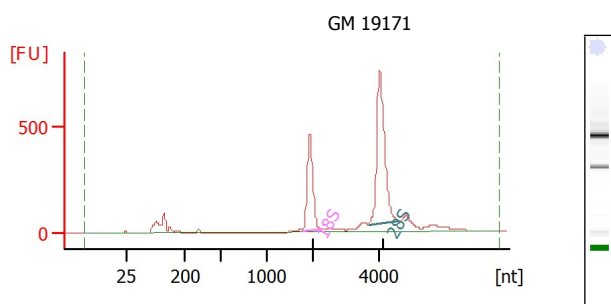


Overall Results for sample 1 : GM 19150

RNA Area: 4,090.4
RNA Concentration: 2,131 ng/μl
rRNA Ratio [28s / 18s]: 1.9
RNA Integrity Number (RIN): 10 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN:10

Fragment table for sample 1 : GM 19150

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,773	2,243	800.0	19.6
28S	3,678	4,653	1,509.9	36.9

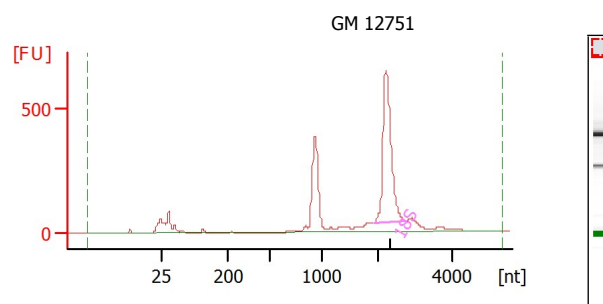


Overall Results for sample 2 : GM 19171

RNA Area: 3,496.9
RNA Concentration: 1,822 ng/μl
rRNA Ratio [28s / 18s]: 1.9
RNA Integrity Number (RIN): 10 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN:10

Fragment table for sample 2 : GM 19171

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,765	2,248	746.7	21.4
28S	3,673	4,618	1,405.6	40.2



Overall Results for sample 3 : GM 12751

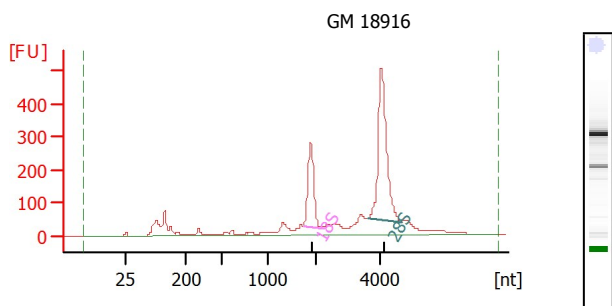
RNA Area: 3,031.2
RNA Concentration: 1,579 ng/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): N/A (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN N/A

Fragment table for sample 3 : GM 12751

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,921	2,746	1,249.3	41.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-21_14-31-31.xad

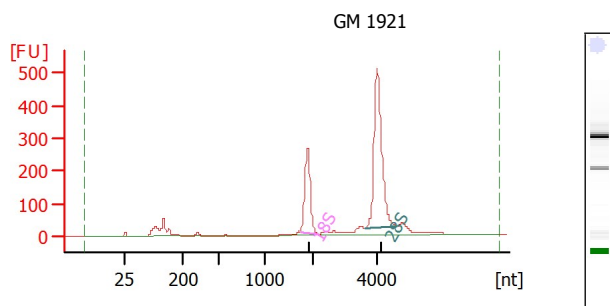
Created: 10/21/2011 2:31:31 PM
Modified: 10/21/2011 2:55:26 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : GM 18916**

RNA Area: 3,147.4
RNA Concentration: 1,639 ng/μl
rRNA Ratio [28s / 18s]: 2.2
RNA Integrity Number (RIN): 9 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN:9

Fragment table for sample 4 : GM 18916

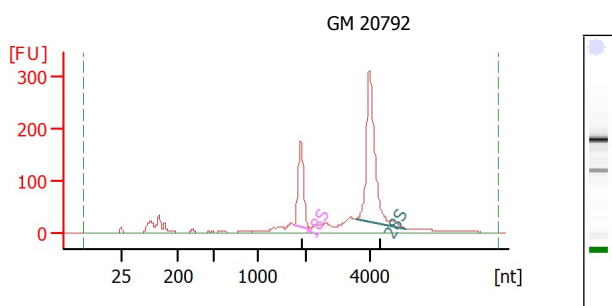
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,742	2,198	429.1	13.6
28S	3,588	4,657	962.6	30.6

**Overall Results for sample 5 : GM 1921**

RNA Area: 2,143.0
RNA Concentration: 1,116 ng/μl
rRNA Ratio [28s / 18s]: 2.1
RNA Integrity Number (RIN): 10 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN:10

Fragment table for sample 5 : GM 1921

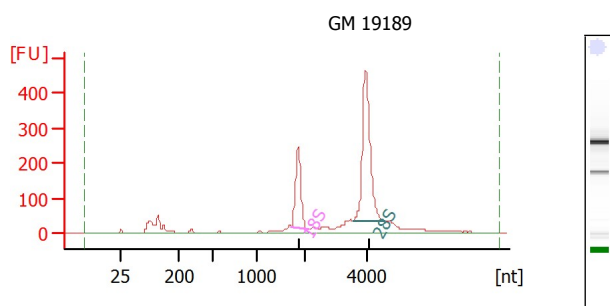
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,754	2,195	445.9	20.8
28S	3,651	4,614	947.2	44.2

**Overall Results for sample 6 : GM 20792**

RNA Area: 1,710.9
RNA Concentration: 891 ng/μl
rRNA Ratio [28s / 18s]: 2.4
RNA Integrity Number (RIN): 9.5 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.50

Fragment table for sample 6 : GM 20792

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,754	2,137	265.6	15.5
28S	3,602	5,185	645.9	37.8

**Overall Results for sample 7 : GM 19189**

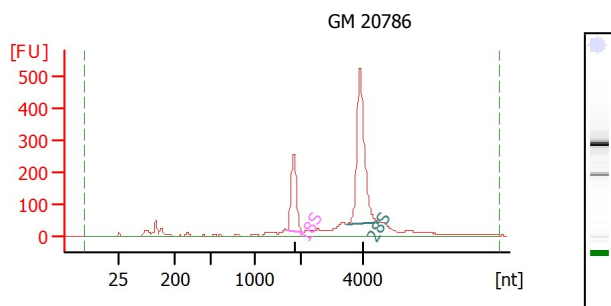
RNA Area: 2,304.2
RNA Concentration: 1,200 ng/μl
rRNA Ratio [28s / 18s]: 2.3
RNA Integrity Number (RIN): 9.7 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.70

Fragment table for sample 7 : GM 19189

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,732	2,121	382.4	16.6
28S	3,542	4,564	861.9	37.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-21_14-31-31.xad

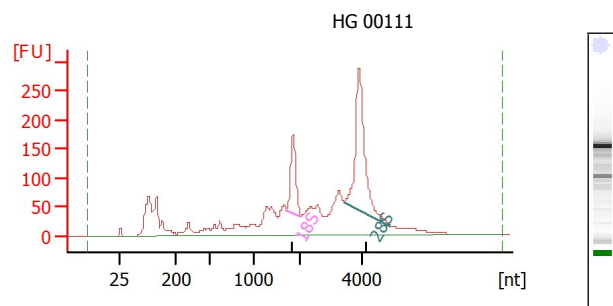
Created: 10/21/2011 2:31:31 PM
Modified: 10/21/2011 2:55:26 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : GM 20786**

RNA Area: 2,509.9
RNA Concentration: 1,307 ng/μl
rRNA Ratio [28s / 18s]: 2.4
RNA Integrity Number (RIN): 9.6 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.60

Fragment table for sample 8 : GM 20786

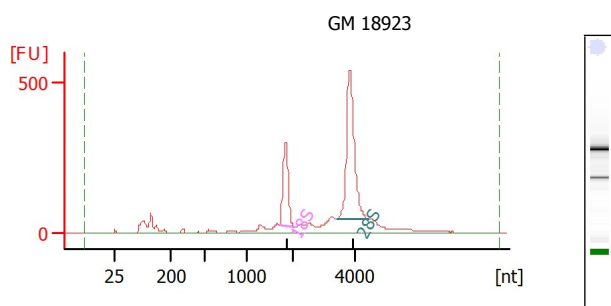
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,716	2,090	401.8	16.0
28S	3,526	4,505	967.9	38.6

**Overall Results for sample 9 : HG 00111**

RNA Area: 3,146.7
RNA Concentration: 1,639 ng/μl
rRNA Ratio [28s / 18s]: 2.6
RNA Integrity Number (RIN): 7.7 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 7.70

Fragment table for sample 9 : HG 00111

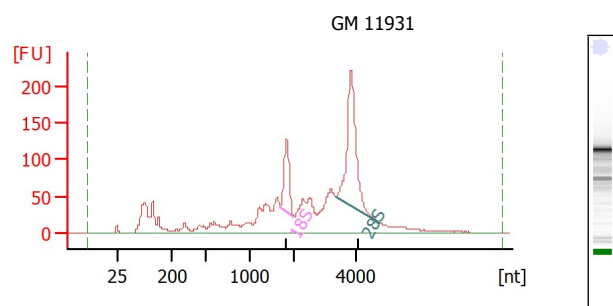
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,711	2,019	224.7	7.1
28S	3,426	4,928	581.8	18.5

**Overall Results for sample 10 : GM 18923**

RNA Area: 3,075.0
RNA Concentration: 1,602 ng/μl
rRNA Ratio [28s / 18s]: 2.2
RNA Integrity Number (RIN): 9.3 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.30

Fragment table for sample 10 : GM 18923

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,694	2,068	453.4	14.7
28S	3,436	4,462	1,019.3	33.1

**Overall Results for sample 11 : GM 11931**

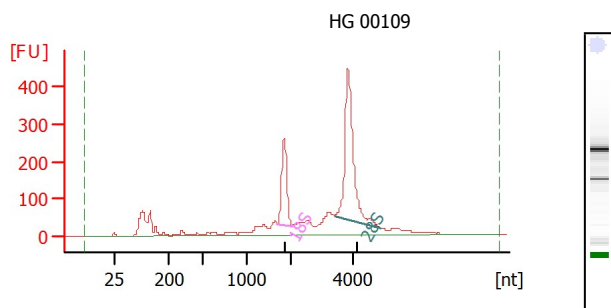
RNA Area: 2,361.6
RNA Concentration: 1,230 ng/μl
rRNA Ratio [28s / 18s]: 2.8
RNA Integrity Number (RIN): 7.6 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 7.60

Fragment table for sample 11 : GM 11931

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,692	1,989	157.8	6.7
28S	3,357	4,827	440.7	18.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-21_14-31-31.xad

Created: 10/21/2011 2:31:31 PM
Modified: 10/21/2011 2:55:26 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : HG 00109**

RNA Area: 3,196.9
RNA Concentration: 1,665 ng/μl
rRNA Ratio [28s / 18s]: 2.5
RNA Integrity Number (RIN): 8.9 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.90

Fragment table for sample 12 : HG 00109

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,692	2,025	373.9	11.7
28S	3,412	4,951	916.7	28.7